

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DISP1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) DISP2 or rhSMAGP is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 768213
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human DISP1 Glu212-Lys492 and Ser746-Thr984 Accession # Q96F81
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

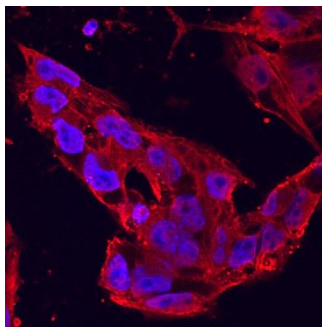
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



DISP1 in BG01V Human Embryonic Stem Cells. DISP1 was detected in immersion fixed BG01V human embryonic stem cells using Mouse Anti-Human DISP1 Monoclonal Antibody (Catalog # MAB3549) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to membrane structures and cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

DISP1 is a multispan (12) transmembrane protein with cytoplasmic N- and C-terminal tails. It contains a stero/sensing domain (SSD) and has been shown to play a role in regulating the release of cholesterol-modified SHH. Within the regions used for immunization, human and mouse DISP1 share 93% amino acid sequence homology.